M.20

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496459

Serial No. First and final bill:-

Name of Work Providing new pipeline From and repairs to to existing pipelines in ward no.07

Name of Contractor of nature of Agency byatarayanapura, kodigehalli subdivision.

Date of commencement of work → Sri. Venkatesh. V.

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Job code:-	007-18-000125					
	Est cost:-	10.00 lakhs					
	Head of account:-	P1771					
	A.S.No:-	AS|EE|BTP|24|18-19; dt: 23.07.18					
	T.S.No:-	TS|EE|BTP|29|18-19; dt: 23.07.18					
	Work order no:-	NO.BBMP|EE|BTP|100|160|18-19; dt: 31.10.18					
	Agency:-	Sri. Venkatesh. V.					

M.20

IT BOOK

ensions Breadth 5	Depth 6		Contents 7	Reference to last Measurement 8
0.45	0.15	=	2.03	
0.45	0.15	=	3.04	
0.45	0.15	=	3.38	
0.45	0.15	=	2.03	
0.45	0.15	=	2.36	
0.45	0.15	=	1.69	
0.45	0.15	=	6.08	
			78.11 cum	

57.58

Dy Exe. N.D
SE(R)

M. A. R. 57 (Rule 116)
Measurement Book

No. B
496469

Serial No. MAIN-BILL:-
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.01:- Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc., Qty vide page no. 496460 → 26.01 cum At the rate of Rs. 313.0 →						8141.00 13
	Item No.02:- Cutting of road surface for pipeline trenches and disposing of the excavated stuff., cement concrete road. Qty vide page no. 496461 → 39.15 cum						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At the rate of Rs.	559.0 →				21884.85	
	Item No. 03:- Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff levelled and neatly dressed, disposed earth to be levelled.,						
	Qty vide page no.	496463 →	156.33 cum				
	At the rate of Rs.	145.0 →				22667.85	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Item No. 04:- Providing an piper conforming to IS 1 cold water supply (reluc fittings including fix	
	Qty vide page no	
	At the rate of Rs	

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
		21884·85	
n		in ordinary	
ound		manually	
ulverts,		road drains	
and		removing the	
y		dressed, disposed	
156·33 cum			
		22667·85	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496470

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 04:- Providing and fixing chlorinated polyvenyl chloride (CPVC) piper confirming to Is 15778, having thermal stability for hot & cold water supply including all cPVC plain and brass treated fittings including fixing the pipe;						
	By vide page no. 496464 →				1158·0 m		
	At the rate of Rs. 106·00 →						122748·00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 05:- Refilling available earth around the pipe lines, cable in layers not exceeding 20cms in depth compacting each deposited layer by ramming after watering with lead upto 50m; Qty vide page no. 496466 → 104.22 cum At the rate of Rs. 56.0 →					5836.32	
	Item No. 09:- Providing and fixing in position brass stop cock of approved quality; Qty vide page no. 496466 → 20 nos At the rate of Rs. 147.0 →					2940.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Item No. 10:- Providing Qty vide page no. 4 At the rate of Rs.	
	Item No. 06:- loading a Sand/Kankar/moorum., Qty vide page no. At the rate of Rs.	

M-20

BOOK

ns		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
ound the pipe lines,			
n depth compacting			
g after watering with			
.22 cum		5836.32	
sition brass stop			
20 nos		2940.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496471

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 10:- Providing and fixing in position brass gate valve,						
	Qty vide page no. 496466 →					20 nos	
	At the rate of Rs. 1889.00 →						37780.00
	Item No. 06:- loading and unloading of stone boulders/stone aggregates						
	sand/kankar/moorum,						
	Qty vide page no. 496467 →					221.49 cum	
	At the rate of Rs. 91.00 →						20155.00 .59

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 07:- Providing and laying position plain cement concrete of mix M7.5 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregate @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed concrete laid in layers not exceeding 15cms th well compacted. in foundation and plinth including cost of all materials, labour., TOM machinery.)						
	Qty vide page no 496468 →					78.17 cum	
	At the rate of Rs. 4481.00 →						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No 08:- Provid
	of mix M20 with OP
	grade granite me
	aggregates @ 0.57 u
	ward 7 office 0-30
	30-6
	60-9
	Ambedkar beedi: 0-5
	Padma terrace: 0-3
	30-60

M.20

T BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		tion plain cement concrete of kgs with 40mm and down oarse aggregate e0.85cum machine mixed concrete th well compacted. in cost of all materials, labour,	
3 →		78.17 cum	
0 →			

350257.00
350279.77

M. A. R. 57 (Rule 116)
Measurement Book

No. B

72

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.08:- Providing and laying in position plain cement concrete of mix M20 with OPC cement @300kgs with 20mm and down size grade granite metal coarse aggregates @0.69cum and fine aggrigates @0.57cum machine mixed, th well compacted.						
	Ward 7 office 0-30	01	30.0	0.45	0.10	= 1.35	
	30-60	01	30.0	0.45	0.10	= 1.35	
	60-90	01	30.0	0.45	0.10	= 1.35	
		01	50.0	0.45	0.10	= 2.25	
	Ambedkar beedi: 0-50	01				= 1.35	
	Padma terlaxai: 0-30	01	30.0	0.45	0.10	= 1.35	
	30-60	01	30.0	0.45	0.10		
						9.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jakkur village: 35	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	Mariyannapalya: 30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	30	01	30.0	0.45	0.10	= 1.35	
	18	01	18.0	0.45	0.10	= 0.81	
	Vayunandhan lyt: 0-30	01	30.0	0.45	0.10	= 1.35	
	30-60	01	30.0	0.45	0.10	= 1.35	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	60-90
	90-120
	120-150
	Kempapura: 0-45
	Vinayakalyt: 0-30
	30-50
	60-90
	90-120
	Veerannapalya 0-45
	50-100

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	
0·45	0·10	= 0·81	
0·45	0·10	= 1·35	
0·45	0·10	= 1·35	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496473

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	60-90	01	30·0	0·45	0·10	= 1·35	
	90-120	01	30·0	0·45	0·10	= 1·35	
	120-150	01	30·0	0·45	0·10	= 1·35	
	Kempapura: 0-45	01	45·0	0·45	0·10	= 2·03	
	Vinayakalyt: 0-30	01	30·0	0·45	0·10	= 1·35	
	30-50	01	20·0	0·45	0·10	= 0·90	
	50-90	01	30·0	0·45	0·10	= 1·35	
	90-120	01	30·0	0·45	0·10	= 1·35	
	Veerannapalya 0-45	01	45·0	0·45	0·10	= 2·03	
	50-100	01	50·0	0·45	0·10	= 2·25	
						44·01	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jakkur colony:- 0-30	01	30.0	0.45	0.10	= 1.35	
	30-65	01	35.0	0.45	0.10	= 1.58	
	70-95	01	25.0	0.45	0.10	= 1.13	
	0-90	01	90.0	0.45	0.10	= 4.05	
						52.11 cum	
						265917.00	
						33	
	At the rate of Rs. 5103.00 →						
	Grand total:-					858328.00	

Verified

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Arthy. N.D
AE (W2)
9/9/19

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	certificate:
	1) certified that
	2) certified that
	Arthy. N.D AE(W2)

OOK

Depth 6	Contents 7	Reference to last Measurement 8
	44.01	
0.10	= 1.35	
0.10	= 1.58	
0.10	= 1.13	
0.10	= 4.05	
	52.11 cum	
	265917.00	
	33	
	8328.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496474

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	certificate: 1) certified that the beneficiary has completed the work satisfactorily 2) certified that debris has been removed from workspot. Not fully N.D AE(W)						

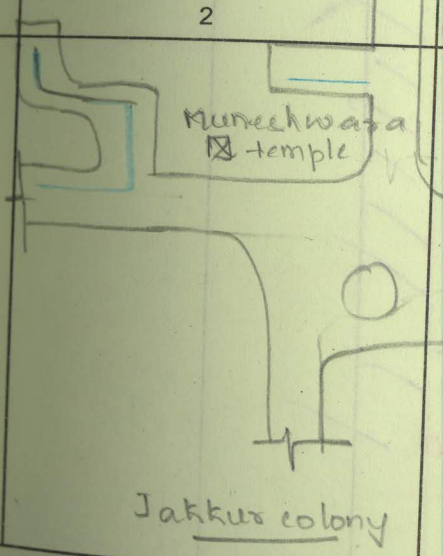
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2 Royalty charges:	3 coarse	4	5 fine.	6	7	8
Sl.no.	Details.	Co-eff	Qty	Co-eff	Qty.		
07.	40mm - 78.17 cum	0.96	75.0	0.48	37.52		
08.	20mm - 52.11 cum.	0.90	46.90	0.45	23.44		
	Total =		121.90		60.96		
	Abstract:-						
1)	coarse aggregate: 121.90 x 105/cum = 12799.50						
2)	fine aggregate: 60.96 x 103/cum = 6278.00						
					19077.50		

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2



OK

Depth 6	Contents 7	Reference to last Measurement 8
Qty.		
37.52		
23.44		
60.96		
12799.50		
6278.00		
19077.50		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496475

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Munechwara temple			1st r			Dasarahalli rd.
				2nd r			
						future pu lyt mtr	
							M road
	Jakkur colony			Vinayaka lyt			Mariyannapalya

Jakkur .ND
AE(Elect)

Executive Engineer,
Kodigehalli Sub Division,

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	P-180 — Pipeline ರಡಿ						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ						
	ಬಿಲ್ಲು ಮೊಬಲಗ ರೂ. 858350/= ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.						
	ಇದರಲ್ಲಿ ರೂ. 45893/= ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ						
	ಮಾಡಿಕೊಂಡು ರೂ. 812457/= ಗಳನ್ನು						
	FT/NEFT/RTGS ಮೂಲಕ ನಿರ್ವಹಣೆಗಾಗಿ						
	ಲಗ್ಗು.. ನಿಷ್ಕರು ನಿರ್ವಾಹಕರು						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು						
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು						
	BA 858350-00						
	Pit 8000-00						
	Elec 7664-00						
	Elec 7664-00						
	Civil 800-00						
	Draft 8000-00						
	Fire 25000-00						
	LR - 10005-00						
	Ded: 45893-00						
	Chq: 812457-00						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2